

David Robert Grimes

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

1,224
citations

516561

16
h-index

395590

33
g-index

51
all docs

51
docs citations

51
times ranked

1845
citing authors

#	ARTICLE	IF	CITATIONS
1	A method for estimating the oxygen consumption rate in multicellular tumour spheroids. Journal of the Royal Society Interface, 2014, 11, 20131124.	1.5	238
2	Modelling science trustworthiness under publish or perish pressure. Royal Society Open Science, 2018, 5, 171511.	1.1	113
3	A mechanistic investigation of the oxygen fixation hypothesis and oxygen enhancement ratio. Biomedical Physics and Engineering Express, 2015, 1, 045209.	0.6	107
4	Medical disinformation and the unviable nature of COVID-19 conspiracy theories. PLoS ONE, 2021, 16, e0245900.	1.1	78
5	Oxygen consumption dynamics in steady-state tumour models. Royal Society Open Science, 2014, 1, 140080.	1.1	66
6	On the Viability of Conspiratorial Beliefs. PLoS ONE, 2016, 11, e0147905.	1.1	52
7	The Role of Oxygen in Avascular Tumor Growth. PLoS ONE, 2016, 11, e0153692.	1.1	51
8	Methods: Using Three-Dimensional Culture (Spheroids) as an In Vitro Model of Tumour Hypoxia. Advances in Experimental Medicine and Biology, 2016, 899, 167-196.	0.8	49
9	Hypoxia imaging and radiotherapy: bridging the resolution gap. British Journal of Radiology, 2017, 90, 20160939.	1.0	49
10	Estimating oxygen distribution from vasculature in three-dimensional tumour tissue. Journal of the Royal Society Interface, 2016, 13, 20160070.	1.5	46
11	Oxygen Partial Pressure Is a Rate-Limiting Parameter for Cell Proliferation in 3D Spheroids Grown in Physioxenic Culture Condition. PLoS ONE, 2016, 11, e0161239.	1.1	41
12	Proposed mechanisms for homeopathy are physically impossible. Focus on Alternative and Complementary Therapies, 2012, 17, 149-155.	0.1	32
13	An approximate analytical solution of the Bethe equation for charged particles in the radiotherapeutic energy range. Scientific Reports, 2017, 7, 9781.	1.6	31
14	Ultraviolet radiation therapy and UVR dose models. Medical Physics, 2015, 42, 440-455.	1.6	29
15	Health disinformation & social media. EMBO Reports, 2020, 21, e51819.	2.0	29
16	Oxygen diffusion in ellipsoidal tumour spheroids. Journal of the Royal Society Interface, 2018, 15, 20180256.	1.5	18
17	Dose modeling in ultraviolet phototherapy. Medical Physics, 2010, 37, 5251-5257.	1.6	17
18	Radiofrequency Radiation and Cancer. JAMA Oncology, 2022, 8, 456.	3.4	16

#	ARTICLE	IF	CITATIONS
19	Distinguishing Polemic From Commentary in Science: Some Guidelines Illustrated With the Case of Sage and Burgio (2017). <i>Child Development</i> , 2018, 89, 141-147.	1.7	15
20	Evidence for hypoxia increasing the tempo of evolution in glioblastoma. <i>British Journal of Cancer</i> , 2020, 123, 1562-1569.	2.9	15
21	Modeling Cervical Cancer Screening Strategies With Varying Levels of Human Papillomavirus Vaccination. <i>JAMA Network Open</i> , 2021, 4, e2115321.	2.8	11
22	Establishing a taxonomy of potential hazards associated with communicating medical science in the age of disinformation. <i>BMJ Open</i> , 2020, 10, e035626.	0.8	10
23	Investigations of cabin design in UV phototherapy. <i>Medical Physics</i> , 2012, 39, 3019-3025.	1.6	8
24	A computational simulation of reflector and tube effects in ultraviolet phototherapy. <i>Physics in Medicine and Biology</i> , 2012, 57, 6661-6670.	1.6	8
25	Estimation of the oxygen enhancement ratio for charged particle radiation. <i>Physics in Medicine and Biology</i> , 2020, 65, 15NT01.	1.6	8
26	Reflection modeling in ultraviolet phototherapy. <i>Medical Physics</i> , 2011, 38, 4312-4320.	1.6	7
27	A dangerous balancing act. <i>EMBO Reports</i> , 2019, 20, e48706.	2.0	7
28	String Theory - The Physics of String-Bending and Other Electric Guitar Techniques. <i>PLoS ONE</i> , 2014, 9, e102088.	1.1	6
29	Commentary on "Are fluoride levels in drinking water associated with hypothyroidism prevalence in England? A large observational study of GP practice data and fluoride levels in drinking water". <i>Journal of Epidemiology and Community Health</i> , 2015, 69, 616-616.	2.0	6
30	The Struggle against Cancer Misinformation. <i>Cancer Discovery</i> , 2022, 12, 26-30.	7.7	5
31	Association between magnetic field exposure and miscarriage risk is not supported by the data. <i>Scientific Reports</i> , 2021, 11, 22143.	1.6	4
32	The new normal? Redaction bias in biomedical science. <i>Royal Society Open Science</i> , 2021, 8, 211308.	1.1	4
33	Close Encounters of the Cell Kind: The Impact of Contact Inhibition on Tumour Growth and Cancer Models. <i>Bulletin of Mathematical Biology</i> , 2020, 82, 20.	0.9	2
34	Dose Quantification in UV Phototherapy. <i>Advances in Experimental Medicine and Biology</i> , 2017, 996, 349-360.	0.8	2
35	Simulation of parabolic reflectors for ultraviolet phototherapy. <i>Physics in Medicine and Biology</i> , 2016, 61, N394-N402.	1.6	1
36	Balancing benefits and potential risks of vaccination: the precautionary principle and the law of unintended consequences. <i>BMJ Evidence-Based Medicine</i> , 2022, 27, 319-323.	1.7	1

#	ARTICLE	IF	CITATIONS
37	Evidence Base on the Potential Carcinogenicity of Radiofrequency Radiation—Reply. <i>JAMA Oncology</i> , 2022, , .	3.4	0